

# Optical Smoke Detector

## OP-12001

- **Addressable conventional technology**
- **Individual detector addressing by means of optional address module**
- **Optional connection of remote indicator**
- **Extremely flat design**
- **Sealed electronics**



### Description

The Optical Smoke Detector OP-12001 uses the scattered light principle and was developed for the detection of smoke particles in a wide range of fire detection applications. The modern design of the sensing chamber allows to reliably evaluate the characteristics of fire.

Intelligent evaluation algorithms compensate for the contamination of the optical measurement system, thus keeping the response sensitivity of the detector constant for a long time. In this way, false alarms can be avoided to a great extent. If the contamination can not be compensated any further, or if a fault occurs in

the measurement system, this is indicated by a yellow flashing of the multicoloured status LED.

Addressable conventional technology is used for alarm transmission to the fire detection control panel. By means of the optional Address Module NG60-1, each detector can be addressed individually, thus allowing to display the detector address, as well as an assigned element text, on a suitable fire detection control panel.

The detector can be attached to various bases and it can be protected against theft.

### Specifications

Operating voltage	Supply through the detector line voltage
Current consumption	typ. 65µA (quiescent)
Ambient temperature	-40°C to +70°C (no condensation or icing)
Relative humidity	0 – 98% (no condensation)
Dimensions ø × H	100 × 31 (mm)
Colour	white
Weight	75g
Approval	VdS G204039
Order number	241060
Order name	Optical Smoke Detector/Conv./ORBIS/Apo OP-12001



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**LST**